





## SCREENING TECHNIQUES FOR MANAGEMENT OF A NERVOUS SYSTEM DISORDER

**Patent number:** EP1558130  
**Publication date:** 2005-08-03  
**Inventor:** OSORIO IVAN (US); FREI MARK G (US); BHAVARAJU NARESH C (US); PETERS THOMAS E (US); GRAVES NINA M (US); SCHAFFNER SCOTT F (US); GIFTAKIS JONATHON E (US); RISE MARK T (US); WERDER JONATHAN C (US)  
**Applicant:** MEDTRONIC INC (US)  
**Classification:**  
- international: **A61B5/00; A61B; A61B5/00; (IPC1-7): A61B5/00**  
- european:  
**Application number:** EP20030809096 20031015  
**Priority number(s):** WO2003US32906 20031015; US20020418476P 20021015; US20030503963P 20030919

**Also published as:**

 WO2004034879 (A3)  
 WO2004034879 (A2)  
 EP1558130 (A3)  
 AU2003301255 (A1)

**Report a data error here**

Abstract not available for EP1558130

Abstract of correspondent: **WO2004034879**

Apparatus and method support a neurological event screening for a medical device. The medical device assists a user in determining a configuration of the medical device for delivering an effective treatment for a nervous system disorder. The medical device detects a neurological event, such as a seizure, and reports a neurological event focus location and a neurological event spread to the user. The user may use the information to provide a configuration of a therapeutic delivery unit and associated therapy parameters. Therapeutic treatment is delivered to the patient, and the medical device is provided an indication of the patient's acceptance to the treatment. The user may modify the configuration and therapy parameters in order to achieve efficacy and acceptance. Depending upon the patient's acceptance, therapy is applied in either an open loop mode or a closed loop mode. The medical device determines whether the treatment is successful in accordance with a criterion.

---

Data supplied from the **esp@cenet** database - Worldwide